



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Jaemoon Lee and Yong-Li Zhong

Serial No. 10/797,496

Filed: March 10, 2004

For: THE PREPARATION OF  
2-AMINOMETHYL-5-FLUOROBENZAMIDESArt Unit: 1614Examiner: Not Yet AssignedCommissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450INFORMATION DISCLOSURE STATEMENT  
UNDER 37 CFR 1.97

Sir:

1. In compliance with 37 C.F.R. 1.97, submitted on the attached form herewith is a list of patents, publications or other information which are requested to be made of record in this application. This Information Disclosure Statement is not an admission that any patent, publication or other information referred to herein is "prior art" for this invention. In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b).
2. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.
3. Applicants respectfully request that the Examiner initial the attached form after reviewing the pertinence of each reference.
4. Pursuant to 37 C.F.R. 1.98 (a)(2)(ii), copies of each cited U.S. patent and each U.S. patent application publication are not enclosed herewith.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date appearing below.

MERCK &amp; CO., INC.

By Jamika P. Helton Date 3/16/05

**INFORMATION DISCLOSURE STATEMENT**

5. Pursuant to 37 C.F.R. 1.98(d), copies of references listed on the attached form that were submitted to or cited by the Office in a related application upon which the instant application relies for an earlier filing date under 35 U.S.C. 120 are not enclosed. Related application(s) in which references were submitted to or cited by the Office are as follows:

RELATED APPLICATION		
U. S. SERIAL NUMBER	FILING DATE	MERCK CASE

If this is inconvenient, additional copies will be submitted upon request.

6. In accordance with 37 C.F.R. 1.97, (check one)

- ☐ the attached information is filed within three months of the filing date of the captioned case.
- ☒ the attached information is filed more than three months after the filing date but prior to the mailing of a first Office Action on the merits.
- ☐ the attached information is being filed more than three months after the filing date and after the mailing of a first Office Action on the merits, but before the mailing date of a Final Action or Notice of Allowance. The enclosed authorization is therefore given to charge Deposit Account No. 13-2755 for the fee required under 37 C.F.R. 1.17(p).
- ☐ the undersigned certifies that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.
- ☐ the undersigned certifies that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated under 37 C.F.R. 1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,

Kenneth R. Walton

By: Kenneth R. Walton

Attorney \_\_\_\_\_ For Applicant(s)

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Date: March 16, 2005

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Examiner Signature		Date Considered	
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Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Substitute for form 1449B/PTO <b>INFORMATION DISCLOSURE</b>  <b>STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>			<b>COMPLETE IF KNOWN</b>		
			Application Number	10/797,496	
			Filing Date	March 10, 2004	
			First Named Inventor	Jaemoon Lee	
			Group Art Unit	1614	
			Examiner Name	Not Yet Assigned	
Sheet	2	of	3	Attorney Docket Number	21330Y

NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
	4	Lasky, L.A., et al., "Delineation of a Region of the Human Immunodeficiency Virus Type 1 gp120 Glycoprotein Critical for Interaction with the CD4 Receptor", Cell, Vol. 50, pp. 975-985 (1987)
	5	Hallman, J.L., et al., "Synthesis of Naphto[f]ninhydrin", Journal of Organic Chemistry, Vol. 56, pp. 6243-6245 (1991)
	6	Maligres, P.E., et al., "A Highly Catalytic Robust Palladium Catalyzed Cyanation of Aryl Bromides", Tetrahedron Letters, Vol. 40, pp. 8193-8195 (1999)
	7	Friedman, L., et al., "Dimethylformamide as a Useful Solvent in Preparing Nitriles from Aryl Halides and Cuprous Cyanide; Improved Isolation Techniques", Journal of Organic Chemistry, Vol. 26, pp. 2522-2524 (1961)
	8	Ernest, I., et al., "Three Novel Mimics for the Construction of Sterically Constrained Protein Turn Models", Tetrahedron Letters, Vol. 31, No. 28, pp. 4011-4014 (1990)
	9	Del Giudice, M.R., et al., "Synthesis of 9-Amino-, 9-Aminomethyl-1,2,3,4-tetrahydro- and 1,2,3,4,5,6,7,8-Octahydroacridine Derivatives", Journal of Heterocyclic Chemistry, Vol. 34, pp. 1661-1667 (1997)
	10	Khalil, E.M., et al., "An Efficient and High Yield Method for the <i>N</i> -tert-Butoxycarbonyl Protection of Sterically Hindered Amino Acids", Tetrahedron Letters, Vol. 37, No. 20, pp. 3441-3444 (1996)
	11	Ponnusamy, E., et al., "A Novel Method for the Rapid, Non-Aqueous t-Butoxycarbonylation of Some 17-O Labeled Amino Acids and 17-O-N.M.R. Parameters of the Products", Synthesis, Vol. 48, pp. 48-49 (1986)
	12	Stahl, G.L., et al., "General Procedure for the Synthesis of Mono-N-acylated 1,6-Diamonohexanes", Journal of Organic Chemistry, Vol. 43, No. 11, pp. 2285-2286 (1978)
	13	Gibson, F.S., et al., "Selective Removal of an N-BOC Protecting Group in the Presence of a tert-Butyl Ester and Other Acid -Sensitive Groups", Journal of Organic Chemistry, Vol. 59, pp. 3216-3218 (1994)
	14	Jacobi, P.A., et al., "Formal Total Syntheses of the $\beta$ -Lactam Antibiotics Thienamycin and PS-5", Journal of Organic Chemistry, Vol. 61, pp. 2413-2427 (1996)
	15	Cavelier, F., et al., "Studies of Selective Boc Removal in the Presence of Silyl Ethers", Tetrahedron Letters, Vol. 37, No. 29, pp. 5131-5134 (1996)
	16	Harley-Mason, J., et al., "Hydroxytryptamines. Part I. Bufotenine, 6-Hydroxybufotenine and Serotonin", J. Chem. Soc., pp. 1165-1171 (1954)
	17	Burgess, L.E., "The Preparation of Immunosuppressant SR-31747", Synthetic Communications, Vol. 27, No. 12, pp. 2181-2191 (1997)
	18	Sakamoto, T., et al., "Palladium-Catalyzed Cyanation of Aryl and Heteroaryl Iodides with Copper(I) Cyanide", J. Chem. Soc., Perkin Trans 1, pp. 2323-2326 (1999)

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Examiner Initials*	Cite No.	Include name of the author, title, date, page(s), volume-issue number(s) and place of publication.
	19	Sargent, M.V., "Naturally Occurring Dibenzofurans. Part 9. A Convenient Synthesis of Phthalides: The Synthesis of Methyl Di-O-methylporphyrilate", J. Chem. Soc. Perkin Trans. 1, pp. 231-235 (1987)
	20	Grumel, V., et al., "Synthesis of Substituted Oxazolo[4,5-b]-pyridine Derivatives", Heterocycles, Vol. 55, No. 7, pp. 1329-1345 (2001)
	21	Brinkman, H.R., et al., "The Use of P-Toluenesulfonic Acid for Removal of the N-T-Butoxy-Carbonyl Protecting Group in Solid Phase Peptide Synthesis", Synthetic Communications, Vol. 21, No. 3, pp. 459-465 (1991)
	22	Tarbell, D.S., et al., "New Method to Prepare N-t-Butoxycarbonyl Derivatives and the Corresponding Sulfur Analogs from di-t-Butyl Dicarbonate or di-t-Butyl Dithiol Dicarbonates and Amino Acids", Proc. Nat. Acad. Sci., Vol 69, No., 3, pp. 730-732 (1972)
	23	Work, T.S., "Antiplasmodial Action and Chemical Constitution. Part VI. Compounds related to Lepidylamine.", J. Chem. Soc., pp. 426-429 (1942)
	24	Sznajdman, M.L., et al., "The Antiinfluenza Activity of Pyrrolo[2,3-d]Pyrimidines", Bioorganic & Medicinal Chemistry Letters", Vol. 6, No. 5, pp. 565-568 (1996)
	25	Khurana, J.M., et al., "Sonochemical Esterification of Carboxylic Acids in Presence of Sulphuric Acid", Synthetic Communications, Vol. 29, No. 15, pp. 2267-2271 (1990)
	26	CASREACT Abstract No. 121:8822, Abstract of Arth, C. et al., "Synthesis of Isometric Methyl ε-hydroxycarboxylates", Liebigs Annalen der Chemie, Vol. 3, pp. 259-263 (1994)
	27	Högberg, T., et al., "Cyanide as an Efficient and Mild Catalyst in the Aminolysis of Esters", Journal of Organic Chemistry, Vol. 52, pp. 2033-2036 (1987)
	28	Dodd, John H., et al. "A Mild, Nonacidic Method for the Conversion of Carboxylic Esters into Oxazolines", Synthetic Communications, Vol. 23, No. 7, pp. 1003-1008 (1993)
	29	Matsumoto, K., et al., "Direct Aminolysis of Unactivated Esters at High-Pressure", Angew. Chem. Int. Ed. Engl., Vol. 25, No.6, pp. 565-566 (1986)
	30	Deng, J., et al., "Total Synthesis of Alterobactin A, a Super Siderophore from an Open-Ocean Bacterium", J. Am. Chem. Soc., Vol. 117, pp. 7824-7825 (1995)

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